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LOGINID : SSPTAJDA1614

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * Welcome to STN International * * * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JUL 02 LMEDLINE coverage updated
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
NEWS 4 JUL 02 CHEMCATS accession numbers revised
NEWS 5 JUL 02 CA/CAPLUS enhanced with utility model patents from China
NEWS 6 JUL 16 CAPLUS enhanced with French and German abstracts
NEWS 7 JUL 18 CA/CAPLUS patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 12 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS 13 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS 14 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15 AUG 27 USPATOLD now available on STN
NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18 SEP 13 FORIS renamed to SOFIS
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS 21 SEP 17 CAPLUS coverage extended to include traditional medicine patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 26 NOV 19 WPIX enhanced with XML display format
NEWS 27 NOV 30 ICSD reloaded with enhancements
NEWS 28 DEC 04 LINPADOCDB now available on STN

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:50:11 ON 06 DEC 2007

=> file registry
COST IN U.S. DOLLARS

FULL ESTIMATED COST

| SINCE FILE
ENTRY | TOTAL
SESSION |
|---------------------|------------------|
| 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 10:50:37 ON 06 DEC 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 DEC 2007 HIGHEST RN 956828-07-2
DICTIONARY FILE UPDATES: 5 DEC 2007 HIGHEST RN 956828-07-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

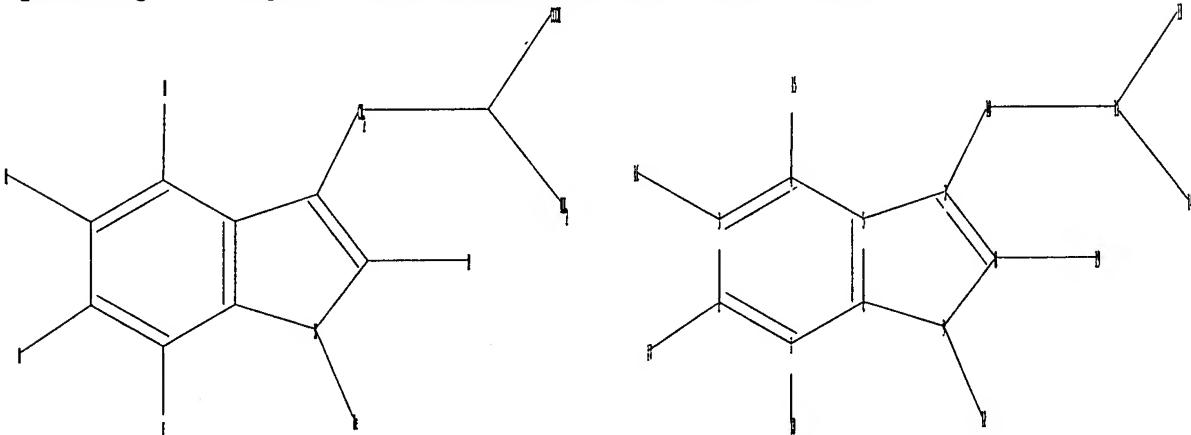
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10780797_1MT.str



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chain nodes : 10 11 12 13 14 15 16 17 18 19
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ring nodes :

1 2 3 4 5

chain bonds :

1-18 2-17

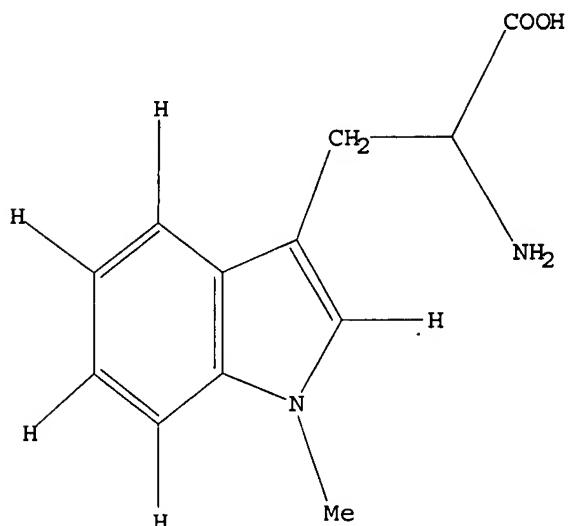
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

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exact/norm bonds :  
5-7 6-9 7-8 8-9 11-14  
exact bonds :  
1-18 2-17 3-16 4-15 7-10 8-19 9-12 10-11 11-13  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6
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Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS
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L1 STRUCTURE UPLOADED

```
=> d 11  
L1 HAS NO ANSWERS  
L1            STR
```



Structure attributes must be viewed using STN Express query preparation.

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=> s 11 full  
FULL SEARCH INITIATED 10:50:52 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -        5060 TO ITERATE
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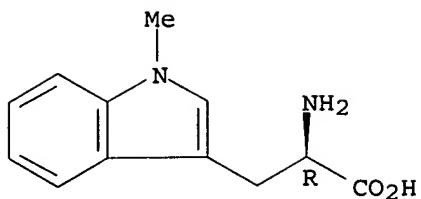
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100.0% PROCESSED        5060 ITERATIONS                    8 ANSWERS  
SEARCH TIME: 00.00.01
```

L2 8 SEA SSS FUL L1

```
=> d scan
```

```
L2    8 ANSWERS    REGISTRY COPYRIGHT 2007 ACS on STN  
IN    D-Tryptophan, 1-methyl-, monohydrochloride (9CI)  
MF    C12 H14 N2 O2 . Cl H
```

Absolute stereochemistry.



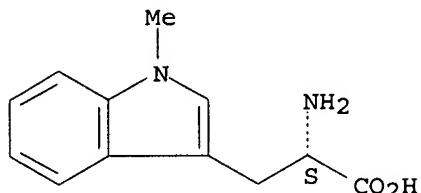
● HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

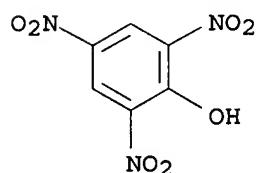
L2 8 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN Tryptophan, 1-methyl-, picrate (6CI)
 MF C12 H14 N2 O2 . C6 H3 N3 O7

CM 1

Absolute stereochemistry.

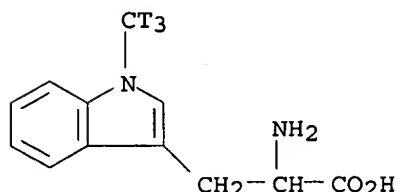


CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN Tryptophan, N-methyl-t3-, DL- (7CI)
 MF C12 H11 N2 O2 T3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file medline caplus wpids uspatfull
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 172.10 | 172.31 |

FILE 'MEDLINE' ENTERED AT 10:51:25 ON 06 DEC 2007

FILE 'CAPLUS' ENTERED AT 10:51:25 ON 06 DEC 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 10:51:25 ON 06 DEC 2007
COPYRIGHT (C) 2007 THE THOMSON CORPORATION

FILE 'USPATFULL' ENTERED AT 10:51:25 ON 06 DEC 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 11
SUBSTANCE QUERIES NOT VALID IN THIS FILE

The logic expression entered contains L#s or saved query names which correspond to structures built by the STRUCTURE command or to screen sets. These must be searched in a substance file such as the REGISTRY file. In some files you may use a Registry Number answer set from a structure search as a search term or profile in some bibliographic file containing Registry Numbers, e.g. the CA file. For an explanation, enter "HELP CROSSOVER" at an arrow prompt (=>).

=> s 12
SAMPLE SEARCH INITIATED 10:51:34 FILE 'WPIDS'
SAMPLE SCREEN SEARCH COMPLETED - 11 TO ITERATE

100.0% PROCESSED 11 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 11 TO 209
PROJECTED ANSWERS: 0 TO 0

L3 204 L2

=> s 13 and (cancer? or tumor? or neoplas?)
L4 38 L3 AND (CANCER? OR TUMOR? OR NEOPLAS?)

=> s 14 and cyclophosphamide
L5 10 L4 AND CYCLOPHOSPHAMIDE

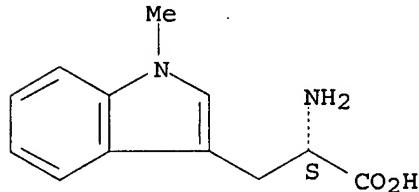
=> d 15 1-10 ibib, abs, hitstr

L5 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:60697 CAPLUS
DOCUMENT NUMBER: 146:243247
TITLE: Inhibition of Indoleamine 2,3-Dioxygenase in Dendritic Cells by Stereoisomers of 1-Methyl-Tryptophan Correlates with Antitumor Responses
AUTHOR(S): Hou, De-Yan; Muller, Alexander J.; Sharma, Madhav D.; DuHadaway, James; Banerjee, Tinku; Johnson, Maribeth; Mellor, Andrew L.; Prendergast, George C.; Munn, David H.
CORPORATE SOURCE: Immunotherapy Center and Departments of Pediatrics, Medicine, and Biostatistics, Medical College of Georgia, Augusta, GA USA
SOURCE: Cancer Research (2007), 67(2), 792-801
CODEN: CNREA8; ISSN: 0008-5472

NPA (not for art)

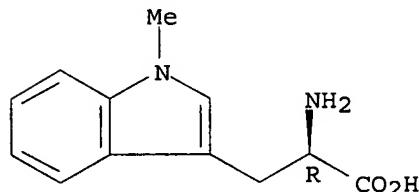
PUBLISHER: American Association for Cancer Research
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Indoleamine 2,3-dioxygenase (IDO) is an immunosuppressive enzyme that contributes to tolerance in a number of biol. settings. In cancer, IDO activity may help promote acquired tolerance to tumor antigens. The IDO inhibitor 1-methyl-tryptophan is being developed for clin. trials. However, 1-methyl-tryptophan exists in two stereoisomers with potentially different biol. properties, and it has been unclear which isomer might be preferable for initial development. In this study, we provide evidence that the D and L stereoisomers exhibit important cell type-specific variations in activity. The L isomer was the more potent inhibitor of IDO activity using the purified enzyme and in HeLa cell-based assays. However, the D isomer was significantly more effective in reversing the suppression of T cells created by IDO-expressing dendritic cells, using both human monocyte-derived dendritic cells and murine dendritic cells isolated directly from tumor-draining lymph nodes. In vivo, the D isomer was more efficacious as an anticancer agent in chemo-immunotherapy regimens using cyclophosphamide, paclitaxel, or gemcitabine, when tested in mouse models of transplantable melanoma and transplantable and autochthonous breast cancer. The D isomer of 1-methyl-tryptophan specifically targeted the IDO gene because the antitumor effect of D-1-methyl-tryptophan was completely lost in mice with a disruption of the IDO gene (IDO-knockout mice). Taken together, our findings support the suitability of D-1-methyl-tryptophan for human trials aiming to assess the utility of IDO inhibition to block host-mediated immunosuppression and enhance antitumor immunity in the setting of combined chemo-immunotherapy regimens.
 IT 21339-55-9, L-1-Methyl-tryptophan 110117-83-4,
 D-1-Methyl-tryptophan
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (inhibition of indoleamine 2,3-dioxygenase in dendritic cells by stereoisomers of 1-Me-tryptophan correlates with antitumor responses)
 RN 21339-55-9 CAPLUS
 CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 110117-83-4 CAPLUS
 CN D-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1157586 CAPLUS
 DOCUMENT NUMBER: 145:465678
 TITLE: Compositions and methods for cancer immunotherapy
 INVENTOR(S): Rossignol, Daniel P.; Ishizaka, Sally T.; Hawkins, Lynn D.; Fields, Scott
 PATENT ASSIGNEE(S): Eisai Co., Ltd, Japan
 SOURCE: PCT Int. Appl., 85pp.
 CODEN: PIIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

NPA

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|----------|-----------------|------------|
| WO 2006116423 | A2 | 20061102 | WO 2006-US15668 | 20060426 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM | | | |
| AU 2006241206 | A1 | 20061102 | AU 2006-241206 | 20060426 |
| US 2007020232 | A1 | 20070125 | US 2006-411332 | 20060426 |
| PRIORITY APPLN. INFO.: | | | US 2005-674680P | P 20050426 |
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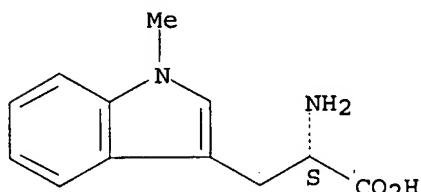
AB The invention relates to immunotherapeutic compds., mainly TLR agonists, tumor vaccines, and therapeutic antibodies, and methods for stimulating an immune response in an individual at risk for developing cancer, diagnosed with a cancer, in treatment for cancer, or in post-therapy recovery from cancer. Also, the compds. of the invention can be administered as a prophylactic to an individual to prevent or delay the development of cancer.

IT 21339-55-9, 1-Methyl tryptophan
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (compns. and methods for cancer immunotherapy)

RN 21339-55-9 CAPLUS

CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:1019533 CAPLUS
 DOCUMENT NUMBER: 141:420433
 TITLE: Use of inhibitors of indoleamine-2,3-dioxygenase in combination with other therapeutic modalities in the

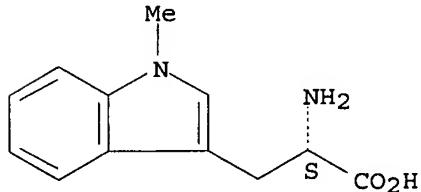
INSTANT APP

INVENTOR(S): treatment of cancer and infection
 Munn, David; Mellor, Andrew
 PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc.,
 USA
 SOURCE: U.S. Pat. Appl. Publ., 42 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

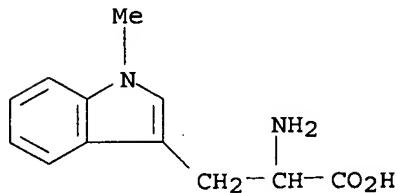
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 2004234623 | A1 | 20041125 | US 2004-780797 | 20040217 |
| US 2005186289 | A1 | 20050825 | US 2004-780150 | 20040217 |
| PRIORITY APPLN. INFO.: | | | US 2003-459489P | P 20030401 |
| | | | US 2004-538647P | P 20040122 |

- AB The invention discloses a method for treating a subject with a cancer or an infection, the method including administering an inhibitor of indoleamine-2,3-dioxygenase (IDO) in an amount effective to reverse IDO-mediated immunosuppression, and administering at least one addnl. therapeutic agent, wherein the administration of the inhibitor of IDO and the at least one addnl. therapeutic agent demonstrate therapeutic synergy.
- IT 21339-55-9, 1-Methyl-tryptophan 26988-72-7
 110117-83-4
 RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (indoleamine dioxygenase inhibitors combined with other therapeutic modalities for treatment of cancer and infection)
- RN 21339-55-9 CAPLUS
 CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.

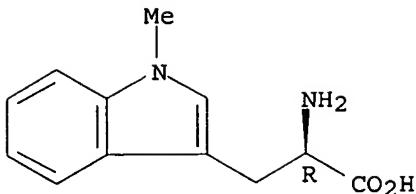


RN 26988-72-7 CAPLUS
 CN Tryptophan, 1-methyl- (CA INDEX NAME)



RN 110117-83-4 CAPLUS
 CN D-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:927197 CAPLUS
 DOCUMENT NUMBER: 141:388648
 TITLE: Novel ido (indoleamine 2,3-dioxygenase) inhibitors and methods of use
 INVENTOR(S): Prendergast, George C.; Muller, Alexander J.; Duhadaway, James B.; Malachowski, William
 PATENT ASSIGNEE(S): Lankenau Institute for Medical Research, USA
 SOURCE: PCT Int. Appl., 115 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2004094409 | A1 | 20041104 | WO 2004-US5154 | 20040220 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO; CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2520586 | A1 | 20041104 | CA 2004-2520586 | 20040220 |
| EP 1606285 | A1 | 20051221 | EP 2004-713430 | 20040220 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| CN 1795187 | A | 20060628 | CN 2004-80008331 | 20040220 |
| CN 1794986 | A | 20060628 | CN 2004-80014321 | 20040220 |
| JP 2006521377 | T | 20060921 | JP 2006-508788 | 20040220 |
| US 2007173524 | A1 | 20070726 | US 2006-550444 | 20060601 |
| PRIORITY APPLN. INFO.: | | | US 2003-458162P | P 20030327 |
| | | | US 2003-527449P | P 20031205 |
| | | | WO 2004-US5154 | W 20040220 |

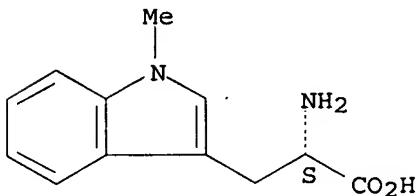
OTHER SOURCE(S): MARPAT 141:388648
 AB Novel inhibitors of indoleamine 2,3-dioxygenase (IDO) activity are provided. In yet another embodiment of the present invention, a combination treatment protocol comprising administration of an IDO inhibitor with a signal transduction inhibitor (STI) or chemotherapeutic agent is provided, which is effective for suppressing tumor growth. In still another embodiment of the present invention, a combination treatment protocol is provided for the treatment of a chronic viral infection, comprising the administration of an IDO inhibitor and a chemotherapeutic agent.
 IT 21339-55-9, 1-Methyltryptophan 26988-72-7,
 1-DL-Methyltryptophan
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (novel indoleamine dioxygenase inhibitors for treatment of

tumors and viral infections and combination with
chemotherapeutic agents and signal transduction inhibitors)

RN 21339-55-9 CAPLUS

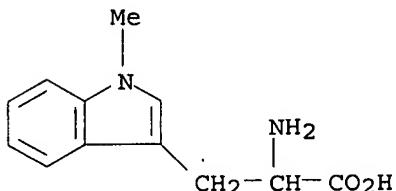
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 26988-72-7 CAPLUS

CN Tryptophan, 1-methyl- (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:927043 CAPLUS

DOCUMENT NUMBER: 141:388646

TITLE: Novel methods for the treatment of cancer and viral infections

INVENTOR(S): Prendergast, George C.; Muller, Alexander J.; Duhadaway, James B.; Malachowski, William

PATENT ASSIGNEE(S): Lankenau Institute for Medical Research, USA

SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|----------|
| WO 2004093871 | A1 | 20041104 | WO 2004-US5155 | 20040220 |
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| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2520172 | A1 | 20041104 | CA 2004-2520172 | 20040220 |
| EP 1613308 | A1 | 20060111 | EP 2004-713378 | 20040220 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| CN 1795187 | A | 20060628 | CN 2004-80008331 | 20040220 |

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|------------------------|-------------|------------------|------------|
| CN 1794986 | A 20060628 | CN 2004-80014321 | 20040220 |
| JP 2006521378 | T 20060921 | JP 2006-500789 | 20040220 |
| US 2007099844 | A1 20070503 | US 2006-551151 | 20060518 |
| PRIORITY APPLN. INFO.: | | US 2003-458162P | P 20030327 |
| | | US 2003-527449P | P 20031205 |
| | | WO 2004-US5155 | W 20040220 |

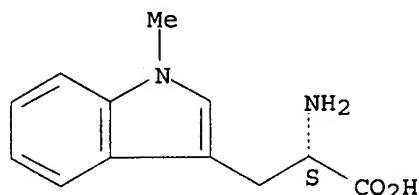
AB Compns. and methods for the treatment of malignancy and chronic viral infection are disclosed. A method is claimed for treating a cancer comprising administering at least one indoleamine 2,3-dioxygenase (IDO) inhibitor and at least one signal transduction inhibitor (STI). A method is claimed for treating a cancer comprising administering at least one immunomodulator, other than IDO inhibitor, and at least one cytotoxic chemotherapeutic agent or at least one STI. A method for treating a chronic viral infection in a patient is claimed comprising administering at least one IDO inhibitor and at least one chemotherapeutic agent. Pharmaceutical compns. containing compds. of the invention for treating cancer and viral infections are also claimed.

IT 21339-55-9, 1-Methyltryptophan 26988-72-7,
 1-Methyl-DL-tryptophan
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (treatment of cancer and viral infections using indoleamine 2,3-dioxygenase inhibitors, signal transduction inhibitors, chemotherapeutic agents, and immunomodulators)

RN 21339-55-9 CAPLUS

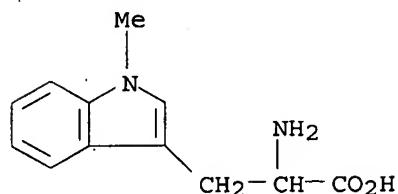
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 26988-72-7 CAPLUS

CN Tryptophan, 1-methyl- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2007:198176 USPATFULL

TITLE: "Novel ido inhibitors and methods of use"

INVENTOR(S): Prendergast, George C., Bala Cynwyd, PA, UNITED STATES

Muller, Alexander J., Media, PA, UNITED STATES

Duhadaway, James B., Wilmington, DE, UNITED STATES

Malachowski, William, Collegeville, PA, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION:
APPLICATION INFO.:

US 2007173524 A1 20070726
US 2004-550444 A1 20040220 (10)
WO 2004-US5154 20040220
20060601 PCT 371 date

DOES NOT ENCOMPASS 1-MT

PRIORITY INFORMATION: US 2003-458162P 20030327 (60)
US 2003-527449P 20031205 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DANN, DORFMAN, HERRELL & SKILLMAN, 1601 MARKET STREET,
SUITE 2400, PHILADELPHIA, PA, 19103-2307, US

NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 31 Drawing Page(s)
LINE COUNT: 1893
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds, compositions and methods for the treatment of malignancy are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 21339-55-9, 1-Methyltryptophan 26988-72-7,

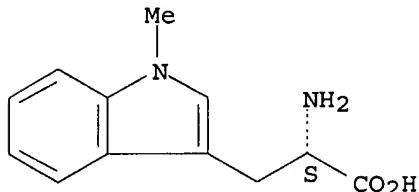
1-Methyl-DL-tryptophan

(treatment of cancer and viral infections using indoleamine
2,3-dioxygenase inhibitors, signal transduction inhibitors,
chemotherapeutic agents, and immunomodulators)

RN 21339-55-9 USPATFULL

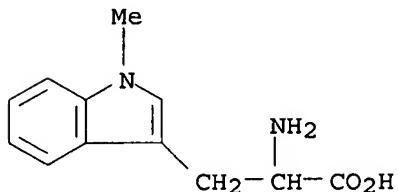
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 26988-72-7 USPATFULL

CN Tryptophan, 1-methyl- (CA INDEX NAME)



L5 ANSWER 7 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2007:114770 USPATFULL

TITLE: Novel methods for the treatment of cancer

INVENTOR(S): Prendergast, George C., Bala-Cynwyd, PA, UNITED STATES

Muller, Alexander J., Media, PA, UNITED STATES

Duhadaway, James B., Wilmington, DE, UNITED STATES

Malachowski, William, Collegeville, PA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2007099844 A1 20070503
 APPLICATION INFO.: US 2004-551151 A1 20040220 (10)
 WO 2004-US5155 20040220
 20060518 PCT 371 date

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2003-458162P | 20030327 (60) |
| | US 2003-527449P | 20031205 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | DANN, DORFMAN, HERRELL & SKILLMAN, 1601 MARKET STREET,
SUITE 2400, PHILADELPHIA, PA, 19103-2307, US | |

NUMBER OF CLAIMS: 52

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 13 Drawing Page(s)

LINE COUNT: 1319

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for the treatment of malignancy and chronic viral infection are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 21339-55-9, 1-Methyltryptophan 26988-72-7,

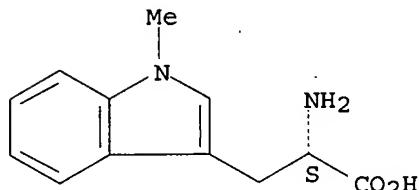
1-Methyl-DL-tryptophan

(treatment of cancer and viral infections using indoleamine 2,3-dioxygenase inhibitors, signal transduction inhibitors, chemotherapeutic agents, and immunomodulators)

RN 21339-55-9 USPATFULL

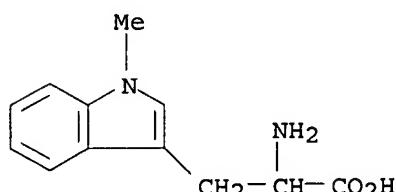
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 26988-72-7 USPATFULL

CN Tryptophan, 1-methyl- (CA INDEX NAME)



L5 ANSWER 8 OF 10 USPATFULL on STN

ACCESSION NUMBER: 200723191 USPATFULL

TITLE: Compositions and methods for cancer immunotherapy

INVENTOR(S): Rossignol, Daniel P., Ridgefield Park, NJ, UNITED STATES

Ishizaka, Sally T., Andover, MA, UNITED STATES

Hawkins, Lynn D., Andover, MA, UNITED STATES

Fields, Scott, Ridgefield Park, NJ, UNITED STATES

PATENT ASSIGNEE(S): Eisai Co., Ltd., Tokyo, JAPAN, 112-88 (non-U.S.)

NPI

corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2007020232 | A1 | 20070125 |
| APPLICATION INFO.: | US 2006-411332 | A1 | 20060426 (11) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2005-674680P | 20050426 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WILMER CUTLER PICKERING HALE AND DORR LLP, 60 STATE STREET, BOSTON, MA, 02109, US | |
| NUMBER OF CLAIMS: | 21 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | |
| LINE COUNT: | 1513 | |

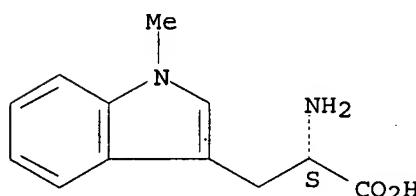
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to immunotherapeutic compounds and to methods for stimulating an immune response in a subject individual at risk for developing cancer, diagnosed with a cancer, in treatment for cancer, or in post-therapy recovery from cancer or the compounds of the invention can be administered as a prophylactic to a subject individual to prevent or delay the development of cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 21339-55-9, 1-Methyl tryptophan
(comps. and methods for cancer immunotherapy)
RN 21339-55-9 USPATFULL
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 9 OF 10 USPATFULL on STN
ACCESSION NUMBER: 2005:214617 USPATFULL
TITLE: Regulation of T cell-mediated immunity by D isomers of inhibitors of indoleamine-2,3-dioxygenase
INVENTOR(S): Munn, David, Augusta, GA, UNITED STATES
Mellor, Andrew, Augusta, GA, UNITED STATES
PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc.,
Augusta, GA, UNITED STATES, 30912 (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005186289 | A1 | 20050825 |
| APPLICATION INFO.: | US 2004-780150 | A1 | 20040217 (10) |

| | NUMBER | DATE |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2004-538647P | 20040122 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |

LEGAL REPRESENTATIVE: MUETING, RAASCH & GEBHARDT, P.A., P.O. BOX 581415,
MINNEAPOLIS, MN, 55458, US

NUMBER OF CLAIMS: 47

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 19 Drawing Page(s)

LINE COUNT: 2455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides improved treatment methods by the administration of the non-physiologic D-isomer of an IDO inhibitor.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 21339-55-9, 1-Methyl-tryptophan 26988-72-7

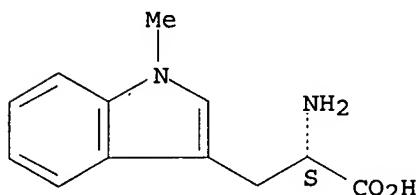
110117-83-4

(indoleamine dioxygenase inhibitors combined with other therapeutic modalities for treatment of cancer and infection)

RN 21339-55-9 USPATFULL

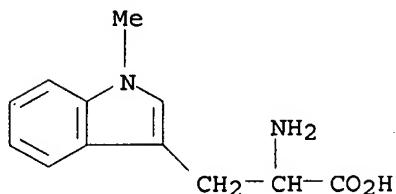
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 26988-72-7 USPATFULL

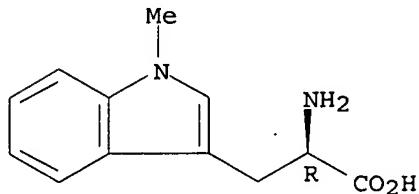
CN Tryptophan, 1-methyl- (CA INDEX NAME)



RN 110117-83-4 USPATFULL

CN D-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 10 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:298760 USPATFULL

TITLE: Use of inhibitors of indoleamine-2,3-dioxygenase in combination with other therapeutic modalities

INVENTOR(S): Munn, David, Augusta, GA, UNITED STATES

Mellor, Andrew, Augusta, GA, UNITED STATES

PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc.,
Augusta, GA, UNITED STATES (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004234623 | A1 | 20041125 |
| APPLICATION INFO.: | US 2004-780797 | A1 | 20040217 (10) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2004-538647P | 20040122 (60) |
| | US 2003-459489P | 20030401 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MUETING, RAASCH & GEBHARDT, P.A., P.O. BOX 581415,
MINNEAPOLIS, MN, 55458 | |
| NUMBER OF CLAIMS: | 43 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 19 Drawing Page(s) | |
| LINE COUNT: | 2338 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides improved treatment methods by the administration of both an inhibitor of indoleamine-2,3-dioxygenase in addition to the administration of an additional therapeutic agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

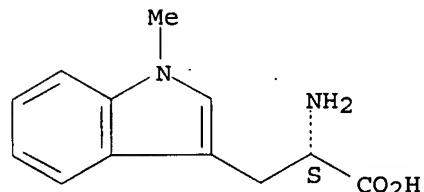
IT 21339-55-9, 1-Methyl-tryptophan 26988-72-7
110117-83-4

(indoleamine dioxygenase inhibitors combined with other therapeutic modalities for treatment of cancer and infection)

RN 21339-55-9 USPATFULL

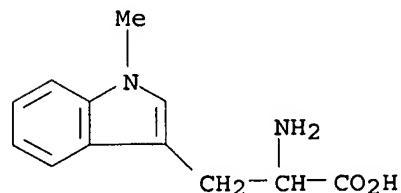
CN L-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 26988-72-7 USPATFULL

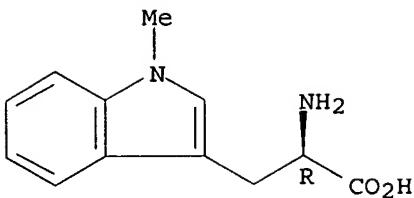
CN Tryptophan, 1-methyl- (CA INDEX NAME)



RN 110117-83-4 USPATFULL

CN D-Tryptophan, 1-methyl- (CA INDEX NAME)

Absolute stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 10:50:11 ON 06 DEC 2007)

FILE 'REGISTRY' ENTERED AT 10:50:37 ON 06 DEC 2007

L1 STRUCTURE UPLOADED
L2 8 S L1 FULL

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 10:51:25 ON 06 DEC 2007

L3 204 S L2
L4 38 S L3 AND (CANCER? OR TUMOR? OR NEOPLAS?)
L5 10 S L4 AND CYCLOPHOSPHAMIDE

=> d 14 1-38 ibib, abs

L4 ANSWER 1 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:843527 CAPLUS

DOCUMENT NUMBER: 147:400343

TITLE: Novel Tryptophan Catabolic Enzyme IDO2 Is the Preferred Biochemical Target of the Antitumor Indoleamine 2,3-Dioxygenase Inhibitory Compound D-1-Methyl-Tryptophan

AUTHOR(S): Metz, Richard; DuHadaway, James B.; Kamasani, Uma; Laury-Kleintop, Lisa; Muller, Alexander J.; Prendergast, George C.

CORPORATE SOURCE: Lankenau Institute for Medical Research, Wynnewood, PA, 19096, USA

SOURCE: Cancer Research (2007), 67(15), 7082-7087

CODEN: CNREA8; ISSN: 0008-5472

PUBLISHER: American Association for Cancer Research

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Small-mol. inhibitors of indoleamine 2,3-dioxygenase (IDO) are currently being translated to clinic for evaluation as cancer therapeutics. One issue related to trials of the clin. lead inhibitor, D-1-methyl-tryptophan (D-1MT), concerns the extent of its biochem. specificity for IDO. Here, we report the discovery of a novel IDO-related Trp catabolic enzyme termed IDO2 that is preferentially inhibited by D-1MT. IDO2 is not as widely expressed as IDO but like its relative is also expressed in antigen-presenting dendritic cells where Trp catabolism drives immune tolerance. We identified 2 common genetic polymorphisms in the human gene encoding IDO2 that ablate its enzymic activity. Like IDO, IDO2 catabolizes Trp, triggers phosphorylation of the translation initiation factor eIF2 α , and (reported here for the first time) mobilizes translation of LIP, an inhibitory isoform of the immune regulatory transcription factor NF-IL6. Tryptophan restoration switches off this signaling pathway when activated by IDO, but not IDO2, arguing that IDO2 has a distinct signaling role. Our findings have implications for understanding the evolution of tumoral immune tolerance and for interpreting preclin. and clin. responses to D-1MT or other IDO inhibitors being developed to treat cancer, chronic infection, and other diseases.

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:790312 CAPLUS
DOCUMENT NUMBER: 147:187318
TITLE: Indoleamine 2,3-dioxygenase inhibitor for enhancing immune response against tumor or infection and tryptophan metabolic product for suppressing immune response against transplant rejection and autoimmune disease
INVENTOR(S): Chen, Wei; Blazar, Bruce R.; Munn, David; Mellor, Andrew
PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc., USA
SOURCE: PCT Int. Appl., 93pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2007081878 | A2 | 20070719 | WO 2007-US404 | 20070105 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRIORITY APPLN. INFO.: US 2006-756861P P 20060107
AB The present invention provides methods for the control of the generation of regulatory T cells (Tregs) and uses thereof. Indoleamine 2,3-dioxygenase inhibitor e.g. 1-methyl-tryptophan is used to reduce immunosuppression mediated by regulatory T cells and to enhance immune response to vaccine, e.g. tumor or viral antigen. The invention also uses metabolic product of tryptophan for inducing regulatory T cells to increase immunosuppression and antigen tolerance to prevent and treat allograft or transplant rejection and autoimmune disease.

L4 ANSWER 3 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:483054 CAPLUS
DOCUMENT NUMBER: 146:475678
TITLE: Indoleamine 2,3-dioxygenase modulation by TLR ligands and immunomodulatory uses thereof
INVENTOR(S): Mellor, Andrew; Munn, David
PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc., USA
SOURCE: PCT Int. Appl., 46pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| WO 2007050405 | A2 | 20070503 | WO 2006-US40796 | 20061020 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2005-729041P P 20051021
AB The induction of indoleamine 2,3-dioxygenase (IDO) in an IDO-competent subset of dendritic cells by TLR ligands, including TLR9 ligands, and various uses thereof, are presented. Also presented are e.g. a method for enhancing an immune response by administration of a TLR9 agonist and an IDO inhibitor.

L4 ANSWER 4 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:60697 CAPLUS
DOCUMENT NUMBER: 146:243247
TITLE: Inhibition of Indoleamine 2,3-Dioxygenase in Dendritic Cells by Stereoisomers of 1-Methyl-Tryptophan Correlates with Antitumor Responses
AUTHOR(S): Hou, De-Yan; Muller, Alexander J.; Sharma, Madhav D.; DuHadaway, James; Banerjee, Tinku; Johnson, Maribeth; Mellor, Andrew L.; Prendergast, George C.; Munn, David H.
CORPORATE SOURCE: Immunotherapy Center and Departments of Pediatrics, Medicine, and Biostatistics, Medical College of Georgia, Augusta, GA, USA
SOURCE: Cancer Research (2007), 67(2), 792-801
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Indoleamine 2,3-dioxygenase (IDO) is an immunosuppressive enzyme that contributes to tolerance in a number of biol. settings. In cancer, IDO activity may help promote acquired tolerance to tumor antigens. The IDO inhibitor 1-methyl-tryptophan is being developed for clin. trials. However, 1-methyl-tryptophan exists in two stereoisomers with potentially different biol. properties, and it has been unclear which isomer might be preferable for initial development. In this study, we provide evidence that the D and L stereoisomers exhibit important cell type-specific variations in activity. The L isomer was the more potent inhibitor of IDO activity using the purified enzyme and in HeLa cell-based assays. However, the D isomer was significantly more effective in reversing the suppression of T cells created by IDO-expressing dendritic cells, using both human monocyte-derived dendritic cells and murine dendritic cells isolated directly from tumor-draining lymph nodes. In vivo, the D isomer was more efficacious as an anticancer agent in chemo-immunotherapy regimens using cyclophosphamide, paclitaxel, or gemcitabine, when tested in mouse models of transplantable melanoma and transplantable and autochthonous breast cancer. The D isomer of 1-methyl-tryptophan specifically targeted the IDO gene because the antitumor effect of D-1-methyl-tryptophan was completely lost in mice with a disruption of the IDO gene (IDO-knockout mice). Taken together, our findings support the suitability of D-1-methyl-tryptophan for human trials aiming to assess the utility of IDO inhibition to block host-mediated immunosuppression and enhance antitumor immunity in the setting of combined chemo-immunotherapy regimens.

REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1157586 CAPLUS
 DOCUMENT NUMBER: 145:465678
 TITLE: Compositions and methods for cancer immunotherapy
 INVENTOR(S): Rossignol, Daniel P.; Ishizaka, Sally T.; Hawkins, Lynn D.; Fields, Scott
 PATENT ASSIGNEE(S): Eisai Co., Ltd, Japan
 SOURCE: PCT Int. Appl., 85pp.
 CODEN: PIIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 2006116423 | A2 | 20061102 | WO 2006-US15668 | 20060426 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| AU 2006241206 | A1 | 20061102 | AU 2006-241206 | 20060426 |
| US 2007020232 | A1 | 20070125 | US 2006-411332 | 20060426 |
| PRIORITY APPLN. INFO.: | | | US 2005-674680P | P 20050426 |
| | | | WO 2006-US15668 | W 20060426 |

AB The invention relates to immunotherapeutic compds., mainly TLR agonists, tumor vaccines, and therapeutic antibodies, and methods for stimulating an immune response in an individual at risk for developing cancer, diagnosed with a cancer, in treatment for cancer, or in post-therapy recovery from cancer. Also, the compds. of the invention can be administered as a prophylactic to an individual to prevent or delay the development of cancer.

L4 ANSWER 6 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:766252 CAPLUS
 DOCUMENT NUMBER: 145:327886
 TITLE: 1-Methyl-Tryptophan Can Interfere with TLR Signaling in Dendritic Cells Independently of IDO Activity
 AUTHOR(S): Agaigue, Sophie; Perrin-Cocon, Laure; Coutant, Frederic; Andre, Patrice; Lotteau, Vincent
 CORPORATE SOURCE: Institut National de la Sante et de la Recherche Medicale Unite 503, Institut Federatif de Recherche 128 Biosciences Lyon-Gerland, Universite Claude Bernard Lyon I, Lyon, Fr.
 SOURCE: Journal of Immunology (2006), 177(4), 2061-2071
 CODEN: JOIMA3; ISSN: 0022-1767
 PUBLISHER: American Association of Immunologists
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The compound 1-methyl-tryptophan (1-MT) is a competitive inhibitor of IDO that can break tolerance and induce fetus, graft, and tumor rejection. Because of its broad effect on immune-related mechanisms, the direct action of 1-MT on human monocyte-derived dendritic cells (DC) was analyzed. It is shown here that the effect of 1-MT on DC is dependent on the maturation pathway. Although 1-MT had no effect on DC stimulated by the TLR3 ligand poly(I:C), it strongly enhanced the Th1 profile of DC

stimulated with TLR2/1 or TLR2/6 ligands. Drastic changes in the function of DC stimulated by the TLR4 ligand LPS were induced by 1-MT. These cells could still activate allogeneic and syngeneic T cells but stimulation yielded T cells secreting IL-5 and IL-13 rather than IFN- γ . This action of 1-MT correlated with an increased phosphorylation of p38 and ERK MAPKs and sustained activation of the transcription factor c-Fos. Inhibiting p38 and ERK phosphorylation with synthetic inhibitors blocked the effect of 1-MT on LPS-stimulated DC. Thus, 1-MT can modulate DC function depending on the maturation signal and independently of its action on IDO. This is consistent with previous observations and will help further understanding the mechanisms of DC polarization.

REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:489852 CAPLUS

DOCUMENT NUMBER: 145:1023

TITLE: Modulators of dendritic cell IDO expression for treatment of immune-related disorders

INVENTOR(S): Albert, Matthew; Braun, Deborah

PATENT ASSIGNEE(S): Institut Pasteur, Fr.

SOURCE: U.S. Pat. Appl. Publ., 33 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 2006110371 | A1 | 20060525 | US 2005-251877 | 20051018 |
| WO 2006056304 | A2 | 20060601 | WO 2005-EP11796 | 20051018 |
| WO 2006056304 | A3 | 20070125 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ,
NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM | | | | |

PRIORITY APPLN. INFO.: US 2004-629896P P 20041123
 AB The invention relates to modulation of dendritic cells by controlling the expression and activity of indoleamine 2,3 dioxygenase for the treatment of cancers, inflammatory skin and lung disorders, and immunol. diseases. PGE2 plus TNF- α induced activation of IDO gene expression was shown to be mediated by the prostanoid receptor EP2, adenylate cyclase, and PKA in immature dendritic cells. The invention discloses the use of IDO expression in the screening of IDO inhibitors and in clin. anal. as a biomarker for the prediction of tumor invasiveness.

L4 ANSWER 8 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:387945 CAPLUS

DOCUMENT NUMBER: 144:404390

TITLE: Indolamine-2,3-dioxygenase inhibitors for modulation of immune regulation

INVENTOR(S): Pohl, Joerg; Niemeyer, Ulf

PATENT ASSIGNEE(S): Germany

SOURCE: Ger. Offen., 5 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|----------------------|----------|
| DE 102004050111 | A1 | 20060427 | DE 2004-102004050111 | 20041013 |
| PRIORITY APPLN. INFO.: | | | DE 2004-102004050111 | 20041013 |

AB The invention discloses the therapeutic application of indoleamine-2,3-dioxygenase (IDO) inhibitors for the treatment of diseases related to untimely IDO gene expression.

L4 ANSWER 9 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:1019533 CAPLUS

DOCUMENT NUMBER: 141:420433

TITLE: Use of inhibitors of indoleamine-2,3-dioxygenase in combination with other therapeutic modalities in the treatment of cancer and infection

INVENTOR(S): Munn, David; Mellor, Andrew

PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 42 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| US 2004234623 | A1 | 20041125 | US 2004-780797 | 20040217 |
| US 2005186289 | A1 | 20050825 | US 2004-780150 | 20040217 |
| PRIORITY APPLN. INFO.: | | | US 2003-459489P | P 20030401 |
| | | | US 2004-538647P | P 20040122 |

AB The invention discloses a method for treating a subject with a cancer or an infection, the method including administering an inhibitor of indoleamine-2,3-dioxygenase (IDO) in an amount effective to reverse IDO-mediated immunosuppression, and administering at least one addnl. therapeutic agent, wherein the administration of the inhibitor of IDO and the at least one addnl. therapeutic agent demonstrate therapeutic synergy.

L4 ANSWER 10 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:927197 CAPLUS

DOCUMENT NUMBER: 141:388648

TITLE: Novel ido (indoleamine 2,3-dioxygenase) inhibitors and methods of use

INVENTOR(S): Prendergast, George C.; Muller, Alexander J.; Duhadaway, James B.; Malachowski, William

PATENT ASSIGNEE(S): Lankenau Institute for Medical Research, USA

SOURCE: PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2004094409 | A1 | 20041104 | WO 2004-US5154 | 20040220 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, | | | | |

| | | | |
|---|--|----------------------------|--|
| TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, | | | |
| BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, | | | |
| ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, | | | |
| TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| CA 2520586 A1 20041104 CA 2004-2520586 20040220 | | | |
| EP 1606285 A1 20051221 EP 2004-713430 20040220 | | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | |
| IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | |
| CN 1795187 A 20060628 CN 2004-80008331 20040220 | | | |
| CN 1794986 A 20060628 CN 2004-80014321 20040220 | | | |
| JP 2006521377 T 20060921 JP 2006-508788 20040220 | | | |
| US 2007173524 A1 20070726 US 2006-550444 20060601 | | | |
| PRIORITY APPLN. INFO.: | | | |
| | | US 2003-458162P P 20030327 | |
| | | US 2003-527449P P 20031205 | |
| | | WO 2004-US5154 W 20040220 | |

OTHER SOURCE(S): MARPAT 141:388648

AB Novel inhibitors of indoleamine 2,3-dioxygenase (IDO) activity are provided. In yet another embodiment of the present invention, a combination treatment protocol comprising administration of an IDO inhibitor with a signal transduction inhibitor (STI) or chemotherapeutic agent is provided, which is effective for suppressing tumor growth. In still another embodiment of the present invention, a combination treatment protocol is provided for the treatment of a chronic viral infection, comprising the administration of an IDO inhibitor and a chemotherapeutic agent.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:927043 CAPLUS

DOCUMENT NUMBER: 141:388648

TITLE: Novel methods for the treatment of cancer and viral infections

INVENTOR(S): Prendergast, George C.; Muller, Alexander J.; Duhadaway, James B.; Malachowski, William

PATENT ASSIGNEE(S): Lankenau Institute for Medical Research, USA

SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|----------|
| WO 2004093871 | A1 | 20041104 | WO 2004-US5155 | 20040220 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2520172 | A1 | 20041104 | CA 2004-2520172 | 20040220 |
| EP 1613308 | A1 | 20060111 | EP 2004-713378 | 20040220 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| CN 1795187 | A | 20060628 | CN 2004-80008331 | 20040220 |
| CN 1794986 | A | 20060628 | CN 2004-80014321 | 20040220 |
| JP 2006521378 | T | 20060921 | JP 2006-508789 | 20040220 |
| US 2007099844 | A1 | 20070503 | US 2006-551151 | 20060518 |

PRIORITY APPLN. INFO.: US 2003-458162P P 20030327
 US 2003-527449P P 20031205
 WO 2004-US5155 W 20040220

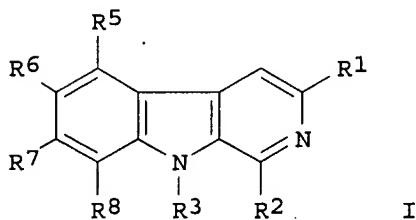
AB Compns. and methods for the treatment of malignancy and chronic viral infection are disclosed. A method is claimed for treating a cancer comprising administering at least one indoleamine 2,3-dioxygenase (IDO) inhibitor and at least one signal transduction inhibitor (STI). A method is claimed for treating a cancer comprising administering at least one immunomodulator, other than IDO inhibitor, and at least one cytotoxic chemotherapeutic agent or at least one STI. A method for treating a chronic viral infection in a patient is claimed comprising administering at least one IDO inhibitor and at least one chemotherapeutic agent. Pharmaceutical compns. containing compds. of the invention for treating cancer and viral infections are also claimed.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:978994 CAPLUS
 DOCUMENT NUMBER: 140:5035
 TITLE: 3-Substituted beta-carboline derivatives having anti-HIV and antitumor activities
 INVENTOR(S): Yang, Ming; Lin, Wei; Yu, Xiaolin; Xiao, Sulong; Li, Jingyun
 PATENT ASSIGNEE(S): Peking Univ., Peop. Rep. China
 SOURCE: Faming Zhuanli Shengqing Gongkai Shuomingshu, 15 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|----------|-----------------|----------|
| CN 1358720 | A | 20020717 | CN 2001-144531 | 20011219 |
| | | | CN 2001-144531 | 20011219 |

PRIORITY APPLN. INFO.: OTHER SOURCE(S): CASREACT 140:5035; MARPAT 140:5035
 GI



AB Title compds. I (R1 = COR4 or CONHR4; R2 = H, C1-6 alkyl, or COR4; R3 = H, C1-6 alkyl, or aryl-C1-6 alkyl; R4 = H, C1-6 alkyl, aryl, cycloalkyl, heterocyclic group, C1-6 alkylamino, C1-6 alkylguanidino, or di(C1-6 alkyl)amino; and R5, R6, R7, and/or R8 = H, halo, C1-6 alkyl, hydroxy, C1-6 alkoxy, acyloxy, C1-6 acyl, aroyl, or aryl-C1-6 alkoxy) and their medical salts are synthesized by esterification of tryptophan derivative with methanol to obtain ester, Pictet-Spengler reaction with R2CHO to obtain 1,2,3,4-tetrahydro-9H-beta-carboline derivative, oxidation, and amidation. The carboline derivs. may be used as anti-HIV and antitumor agents and also as antioxidant in foods and drugs.

L4 ANSWER 13 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:818069 CAPLUS
 DOCUMENT NUMBER: 139:322295
 TITLE: Antigen-presenting cell populations and their use as reagents for enhancing or reducing immune tolerance
 INVENTOR(S): Mellor, Andrew L.; Munn, David H.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 36 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| US 2003194803 | A1 | 20031016 | US 2002-121909 | 20020412 |
| CA 2483451 | A1 | 20031023 | CA 2002-2483451 | 20020412 |
| WO 2003087347 | A1 | 20031023 | WO 2002-US11319 | 20020412 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002307243 | A1 | 20031027 | AU 2002-307243 | 20020412 |
| EP 1501918 | A1 | 20050202 | EP 2002-807233 | 20020412 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| US 2006292618 | A1 | 20061228 | US 2006-474162 | 20060623 |
| US 2007048769 | A1 | 20070301 | US 2006-474144 | 20060623 |
| PRIORITY APPLN. INFO.: | | | US 2002-121909 | A 20020412 |
| | | | WO 2002-US11319 | W 20020412 |

AB The disclosed invention is based on the discovery that antigen-presenting cells (APCs) may be generated to have predetd. levels of expression of the intracellular enzyme, indoleamine 2,3-dioxygenase (IDO). Because expression of high levels of IDO is correlated with a reduced ability to stimulate T cell responses and an enhanced ability to induce immunol. tolerance, APCs having high levels of IDO may be used to increase tolerance in the immune system, as for example in transplant therapy or treatment of autoimmune disorders. For example, APCs having high levels of IDO, and expressing or loaded with at least one antigen from a donor tissue may be used to increase tolerance of the recipient to the donor's tissue. Alternatively, APCs having reduced levels of IDO expression and expressing or loaded with at least one antigen from a cancer or infectious pathogen may be used as vaccines to promote T cell responses and increase immunity.

L4 ANSWER 14 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2000:790660 CAPLUS
 DOCUMENT NUMBER: 133:349121
 TITLE: Methods for increasing T cell proliferation
 INVENTOR(S): Van, Den Eynde Benoit; Bilsborough, Janine; Boon-Falleur, Thierry
 PATENT ASSIGNEE(S): Ludwig Institute for Cancer Research, USA
 SOURCE: PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|------------|
| WO 20000066764 | A1 | 20001109 | WO 2000-US12118 | 20000503 |
| W: AU, JP
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| EP 1185687 | A1 | 20020313 | EP 2000-928796 | 20000503 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| PRIORITY APPLN. INFO.: | | | US 1999-132219P | P 19990503 |
| | | | WO 2000-US12118 | W 20000503 |

AB The invention provides methods and compns. for increasing T cell proliferation using tryptophan enhancing agents. T cell proliferation can be increased in vitro by addition of tryptophan enhancing agents to T cell culture, or in vivo by administration of tryptophan enhancing agents. Also provided are methods for diagnosing and treating disorders characterized by constitutive expression of indoleamine-2,3-dioxygenase. Compns. and apparatus relating to the methods also are provided.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1999:388082 CAPLUS
 DOCUMENT NUMBER: 131:35866
 TITLE: Regulation of T cell-mediated immunity by tryptophan
 INVENTOR(S): Munn, David; Mellor, Andrew
 PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc., USA
 SOURCE: PCT Int. Appl., 56 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|-------------|
| WO 9929310 | A2 | 19990617 | WO 1998-US25840 | 19981204 |
| WO 9929310 | A3 | 20000106 | | |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 9916285 | A | 19990628 | AU 1999-16285 | 19981204 |
| US 6395876 | B1 | 20020528 | US 1998-205939 | 19981204 |
| US 6451840 | B1 | 20020917 | US 1998-206274 | 19981204 |
| US 2001001040 | A1 | 20010510 | US 2000-727055 | 20001130 |
| US 6482416 | B2 | 20021119 | | |
| US 2002155104 | A1 | 20021024 | US 2002-112362 | 20020328 |
| US 7160539 | B2 | 20070109 | | |
| US 2007077224 | A1 | 20070405 | US 2006-602930 | 20061121 |
| US 2007077234 | A1 | 20070405 | US 2006-603291 | 20061121 |
| PRIORITY APPLN. INFO.: | | | US 1997-67610P | P 19971205 |
| | | | US 1998-80380P | P 19980401 |
| | | | US 1998-80384P | P 19980401 |
| | | | US 1998-206274 | A3 19981204 |
| | | | WO 1998-US25840 | W 19981204 |
| | | | US 2002-112362 | A3 20020328 |

AB A mechanism of macrophage-induced T cell suppression is the selective elimination of tryptophan and/or increase in one or more tryptophan

metabolites within the local macrophage microenvironment. Studies demonstrate that expression of IDO (indoleamine 2,3-dioxygenase) can serve as a marker of suppression of T cell activation, and may play a significant role in allogeneic pregnancy and therefore other types of transplantation, and that inhibitors of IDO can be used to activate T cells and therefore enhance T cell activation when the T cells are suppressed by pregnancy, malignancy or a virus such as HIV. Inhibiting tryptophan degradation (and thereby increasing tryptophan concentration while decreasing tryptophan metabolite concentration), or supplementing tryptophan concentration, can therefore be used in addition to, or in place of, inhibitors of IDO. Similarly, increasing tryptophan degradation (thereby, decreasing tryptophan concentration and increasing tryptophan metabolite concentration).

for IDO. Similarly, increasing tryptophan degradation (thereby, decreasing tryptophan concentration and increasing tryptophan metabolite concentration),

for

example, by increasing IDO concentration or IDO activity, can suppress T cells. Although described particularly with reference to IDO regulation, one can instead manipulate local tryptophan concns., and/or modulate the activity of the high affinity tryptophan transporter, and/or administer other tryptophan degrading enzymes. Regulation can be further manipulated using cytokines such as macrophage colony stimulating factor, interferon gamma, alone or in combination with antigen or other cytokines.

L4 ANSWER 16 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:597277 CAPLUS

DOCUMENT NUMBER: 123:83032

TITLE: Synthesis of 6-substituted indolactams by microbial conversion

AUTHOR(S): Irie, Kazuhiro; Iguchi, Maya; Oda, Tsuneyuki; Suzuki, Yoko; Okuno, Shigenori; Ohigashi, Hajime; Koshimizu, Koichi; Hayashi, Hideo; Arai, Motoo; et al.

KOICHI, Hayashi, NIDES, KIRAI, KOBAYASHI et al.
Fac. Agric., Kyoto Univ., Kyoto 606, Japan

CORPORATE SOURCE: Fac. Agric., Kyoto Univ., Kyoto, Japan
SOURCE: Tetrahedron (1995) 51(22), 6255-66

SOURCE: tetrahedron (1993), 51(22), 52
CODEN: TETPAB; ISSN: 0040-4020

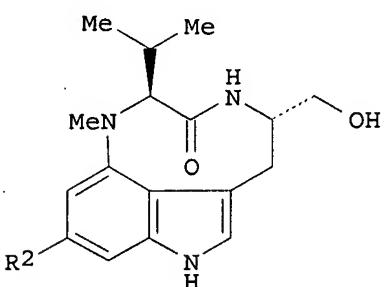
PUBLISHER: CODEN: FR
Elsevier

PUBLISHER: Elsevier
DOCUMENT TYPE: Journal

DOCUMENT TYPE:
LANGUAGE:

LANGUAGE: English
OTHER SOURCE(S): CASREACT 123-83032

61



AB New indolactam derivs. I ($R_2 = F$, Br, iodo, Me) with a fluorine, bromine, iodine or Me group at position 6 of (-)-indolactam-V were synthesized from the corresponding seco-compds. (6-substituted N-methyl-L-valyl-L-tryptophanols) by the microbial conversion using *Streptoverticillium blastomyceticum* NA34-17. (-)-5-Fluoroindolactam-V and (-)-7-methylindolactam-V were similarly obtained by this method. (-)-6-Methylindolactam-V had almost the same biol. activities as (-)-7-methylindolactam-V, indicating that the substituent effect at position 6 of (-)-indolactam-V is similar to that at position 7.

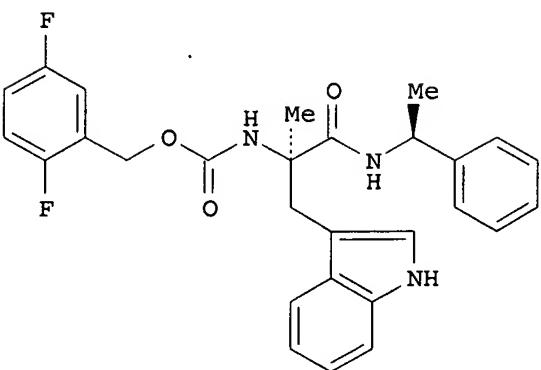
L4 ANSWER 17 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:248281 CAPLUS

DOCUMENT NUMBER: 122:32008
 TITLE: Preparation of tryptophan amides and analogs as tachykinin antagonists
 INVENTOR(S): Horwell, David Christopher; Howson, William; Rees, David Charles; Roberts, Edward; Pritchard, Martyn Clive
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: PCT Int. Appl., 147 pp.
 CODEN: PIIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------------|-----------------|----------|
| WO 9404494 | A1 | 19940303 | WO 1993-US7552 | 19930812 |
| W: AU, CA, CZ, FI, HU, JP, KR, NO, NZ, RU, SK
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| EP 655055 | A1 | 19950531 | EP 1993-919974 | 19930812 |
| EP 655055 | B1 | 20001129 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE | | | | |
| JP 08500361 | T | 19960116 | JP 1994-506383 | 19930812 |
| JP 3507494 | B2 | 20040315 | | |
| AU 687754 | B2 | 19980305 | AU 1993-50055 | 19930812 |
| AU 9350055 | A | 19940315 | | |
| EP 1000930 | A2 | 20000517 | EP 2000-102502 | 19930812 |
| EP 1000930 | A3 | 20031029 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE | | | | |
| AT 197793 | T | 20001215 | AT 1993-919974 | 19930812 |
| ES 2153841 | T3 | 20010316 | ES 1993-919974 | 19930812 |
| PT 655055 | T | 20010330 | PT 1993-919974 | 19930812 |
| GR 3035372 | T3 | 20010531 | GR 2001-400199 | 20010206 |
| PRIORITY APPLN. INFO.: | | | | |
| | | US 1992-930252 | A 19920813 | |
| | | US 1993-97264 | A 19930723 | |
| | | EP 1993-919974 | A3 19930812 | |
| | | WO 1993-US7552 | W 19930812 | |

OTHER SOURCE(S): MARPAT 122:32008
GI



I

AB RCR1R2XCR3 [(CH₂)_nR8]Y(CR5R7)qR6 [R, R₆, R₈ = (un)substituted (hetero)aryl;
 R₁, R₂, R₅, R₇ = H, alkyl; RR₂ = atoms to form a ring; R₃ = H, (CH₂)_mR₁₃;
 R₁₃ = H, cyano, NH₂, NMe₂, NHAc; X = O₂CNR₁₁; R₁₁ = H, alkyl; Y = CONR₄,
 CO₂, CH₂O, CH₂NH, CH:CH, etc.; R₄ = H, alkyl; m = 1-6; n = 1-2] were
 prepared. Thus, title compound I (preparation given) had ID₅₀ of 0.051mg/kg
 i.v.

against substance P Me ester-induced plasma protein extravasation in guinea pig bladder.

L4 ANSWER 18 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:220909 CAPLUS
DOCUMENT NUMBER: 114:220909
TITLE: Investigations on the antiproliferative effects of amino acid antagonists targeting for aminoacyl-tRNA synthetases. Part III. Combination experiments
AUTHOR(S): Laske, Reiner; Schoenenberger, Helmut; Holler, Eggehard
CORPORATE SOURCE: Inst. Pharm., Univ. Regensburg, Regensburg, D-8400, Germany
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1991), 324(3), 153-60
CODEN: ARPMAS; ISSN: 0365-6233
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The combined effects of amino acid antagonists with proven or potential inhibitory activities on aminoacyl-tRNA synthetases were investigated on the murine leukemic cell line P388 D1. As the best result a summation of the antiproliferative effects was observed. Combinations with established cytostatic agents like platinum complexes or other antitumor compds. also yielded partly additive effects. In expts. performed with asparaginase, L-aspartic acid- β -hydroxamate gave synergistic growth inhibition of P388 D1 cells in vitro, which was reflected by additive effects against murine leukemia P388 in vivo.

L4 ANSWER 19 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:111625 CAPLUS
DOCUMENT NUMBER: 112:111625
TITLE: Investigations on the antiproliferative effects of amino acid antagonists targeting for aminoacyl-tRNA synthetases. Part II. The antileukemic effect
AUTHOR(S): Laske, Reiner; Schoenenberger, Helmut; Holler, Eggehard
CORPORATE SOURCE: Inst. Pharm., Univ. Regensburg, Regensburg, D-8400, Fed. Rep. Ger.
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1989), 322(12), 857-62
CODEN: ARPMAS; ISSN: 0365-6233
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Amino acid antagonists with proven or potential inhibitory activities on aminoacyl-tRNA synthetases were tested for their antiproliferative effect against the murine leukemic cell line P388D1. Micromolar concns. of the compds. S-tritylcysteine, fenitropan, and β -chloroalanine were markedly inhibitory. In the mouse only S-tritylcysteine was effective against leukemia P388 (T/C = 211%). The inhibitory effect on aminoacyl-tRNA synthetases and the antiproliferative action on P388D1 or P388 could not be correlated.

L4 ANSWER 20 OF 38 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1988:4798 CAPLUS
DOCUMENT NUMBER: 108:4798
TITLE: Nitrosatable precursors of mutagens in vegetables and soy sauce
AUTHOR(S): Nagao, Minako; Wakabayashi, Keiji; Fujita, Yuki; Tahira, Tomoko; Ochiai, Masako; Takayama, Shozo; Sugimura, Takashi
CORPORATE SOURCE: Carcinog. Div., Natl. Cancer Cent. Res. Inst., Tokyo, 104, Japan
SOURCE: Proceedings of the International Symposium of the Princess Takamatsu Cancer Research Fund (1986), Volume Date 1985, 16th(Diet, Nutr., Cancer), 77-86

CODEN: PPTCBY

DOCUMENT TYPE: Journal
LANGUAGE: English

AB Nitrosatable precursors of mutagens that show mutagenicity to *Salmonella typhimurium* TA100 without S9 mix after treatment with nitrite at pH 3 were found in various foods. From Chinese cabbage, 3 indole compds., indole-3-acetonitrile, 4-methoxyindole-3-acetonitrile, and 4-methoxyindole-3-aldehyde, were identified as mutagen precursors. 1-Methylindole and 2-methylindole, present in cigarette smoke, had strong mutagen precursor activity. *Escherichia coli* WP2 uvrA/pKM101 is more sensitive than *S. typhimurium* TA100 to nitrostable precursors in soy sauce after treatment with 1-3 mM nitrite. The mutagenicity of soy sauce towards *E. coli* WP2 uvrA/pKM101 is partly explained by 1-methyl-1,2,3,4-tetrahydro-β-carboline-3-carboxylic acid (MTCA) and tyramine. Oral administration of soy sauce and nitrite to male Fischer 344 rats for 2 yr induced basal cell proliferation of the forestomach and intestinal metaplasia of the glandular stomach, but did not induce cancers in any organ. 3-Diazotyramine, a mutagenic nitrosation product of tyramine present at high concns. in various foods, induced squamous cell carcinomas of the oral cavity of rats when given in their drinking water. The carcinogenesis by N-benzylmethylamine, nitrostable precursor and nitrite, was prevented by thioproline.

L4 ANSWER 21 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2007:198176 USPATFULL
TITLE: "Novel ido inhibitors and methods of use
INVENTOR(S): Prendergast, George C., Bala Cynwyd, PA, UNITED STATES
Muller, Alexander J., Media, PA, UNITED STATES
Duhadaway, James B., Wilmington, DE, UNITED STATES
Malachowski, William, Collegeville, PA, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|-----------------------|
| PATENT INFORMATION: | US 2007173524 | A1 | 20070726 |
| APPLICATION INFO.: | US 2004-550444 | A1 | 20040220 (10) |
| | WO 2004-US5154 | | 20040220 |
| | | | 20060601 PCT 371 date |

| | NUMBER | DATE |
|--|--|---------------|
| PRIORITY INFORMATION: | US 2003-458162P | 20030327 (60) |
| | US 2003-527449P | 20031205 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | DANN, DORFMAN, HERRELL & SKILLMAN, 1601 MARKET STREET,
SUITE 2400, PHILADELPHIA, PA, 19103-2307, US | |
| NUMBER OF CLAIMS: | 37 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 31 Drawing Page(s) | |
| LINE COUNT: | 1893 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |
| AB | Compounds, compositions and methods for the treatment of malignancy are disclosed. | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2007:114770 USPATFULL
TITLE: Novel methods for the treatment of cancer
INVENTOR(S): Prendergast, George C., Bala-Cynwyd, PA, UNITED STATES
Muller, Alexander J., Media, PA, UNITED STATES
Duhadaway, James B., Wilmington, DE, UNITED STATES
Malachowski, William, Collegeville, PA, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2007099844 A1 20070503
 APPLICATION INFO.: US 2004-551151 A1 20040220 (10)
 WO 2004-US5155 20040220
 20060518 PCT 371 date

| | NUMBER | DATE |
|--|--|---------------|
| PRIORITY INFORMATION: | US 2003-458162P | 20030327 (60) |
| | US 2003-527449P | 20031205 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | DANN, DORFMAN, HERRELL & SKILLMAN, 1601 MARKET STREET,
SUITE 2400, PHILADELPHIA, PA, 19103-2307, US | |
| NUMBER OF CLAIMS: | 52 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 13 Drawing Page(s) | |
| LINE COUNT: | 1319 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |
| AB | Compositions and methods for the treatment of malignancy and chronic viral infection are disclosed. | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 23 OF 38 USPATFULL on STN
 ACCESSION NUMBER: 2007:55827 USPATFULL
 TITLE: Antigen-presenting cell populations and their use as reagents for enhancing or reducing immune tolerance
 INVENTOR(S): Mellor, Andrew L., Martinez, GA, UNITED STATES
 Munn, David H., Augusta, GA, UNITED STATES

| | NUMBER | KIND | DATE |
|--|--|------|---------------|
| PATENT INFORMATION: | US 2007048769 | A1 | 20070301 |
| APPLICATION INFO.: | US 2006-474144 | A1 | 20060623 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2002-121909, filed on 12 Apr 2002, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | KILPATRICK STOCKTON LLP - M0351, 1001 WEST FOURTH STREET, WINSTON-SALEM, NC, 27101, US | | |
| NUMBER OF CLAIMS: | 20 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 9 Drawing Page(s) | | |
| LINE COUNT: | 2501 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

AB The present invention is based on the discovery antigen-presenting cells (APCs) may be generated to have predetermined levels of expression of the intracellular enzyme, indoleamine 2,3-dioxygenase (IDO). Because expression of high levels of IDO is correlated with a reduced ability to stimulate T cell responses and an enhanced ability to induce immunologic tolerance, APCs having high levels of IDO may be used to increase tolerance in the immune system, as for example in transplant therapy or treatment of autoimmune disorders. For example, APCs having high levels of IDO, and expressing or loaded with at least one antigen from a donor tissue may be used to increase tolerance of the recipient to the donor's tissue. Alternatively, APCs having reduced levels of IDO expression and expressing or loaded with at least one antigen from a cancer or infectious pathogen may be used as vaccines to promote T cell responses and increase immunity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 24 OF 38 USPATFULL on STN
 ACCESSION NUMBER: 2007:23191 USPATFULL

TITLE: Compositions and methods for cancer
 immunotherapy
 INVENTOR(S): Rossignol, Daniel P., Ridgefield Park, NJ, UNITED STATES
 Ishizaka, Sally T., Andover, MA, UNITED STATES
 Hawkins, Lynn D., Andover, MA, UNITED STATES
 Fields, Scott, Ridgefield Park, NJ, UNITED STATES
 PATENT ASSIGNEE(S): Eisai Co., Ltd., Tokyo, JAPAN, 112-88 (non-U.S.
 corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2007020232 | A1 | 20070125 |
| APPLICATION INFO.: | US 2006-411332 | A1 | 20060426 (11) |

| | NUMBER | DATE |
|-----------------------|---|---------------|
| PRIORITY INFORMATION: | US 2005-674680P | 20050426 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | WILMER CUTLER PICKERING HALE AND DORR LLP, 60 STATE STREET, BOSTON, MA, 02109, US | |
| NUMBER OF CLAIMS: | 21 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 4 Drawing Page(s) | |
| LINE COUNT: | 1513 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to immunotherapeutic compounds and to methods for stimulating an immune response in a subject individual at risk for developing cancer, diagnosed with a cancer, in treatment for cancer, or in post-therapy recovery from cancer or the compounds of the invention can be administered as a prophylactic to a subject individual to prevent or delay the development of cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 25 OF 38 USPATFULL on STN
 ACCESSION NUMBER: 2006:340837 USPATFULL
 TITLE: Antigen-presenting cell populations and their use as reagents for enhancing or reducing immune tolerance
 INVENTOR(S): Mellor, Andrew L., Martinez, GA, UNITED STATES
 Munn, David H., Augusta, GA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|--|------|---------------|
| PATENT INFORMATION: | US 2006292618 | A1 | 20061228 |
| APPLICATION INFO.: | US 2006-474162 | A1 | 20060623 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2002-121909, filed on 12 Apr 2002, PENDING | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | KILPATRICK STOCKTON LLP - M0351, 1001 WEST FOURTH STREET, WINSTON-SALEM, NC, 27101, US | | |
| NUMBER OF CLAIMS: | 20 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 9 Drawing Page(s) | | |
| LINE COUNT: | 2508 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is based on the discovery antigen-presenting cells (APCs) may be generated to have predetermined levels of expression of the intracellular enzyme, indoleamine 2,3-dioxygenase (IDO). Because expression of high levels of IDO is correlated with a reduced ability to stimulate T cell responses and an enhanced ability to induce immunologic tolerance, APCs having high levels of IDO may be used to increase

tolerance in the immune system, as for example in transplant therapy or treatment of autoimmune disorders. For example, APCs having high levels of IDO, and expressing or loaded with at least one antigen from a donor tissue may be used to increase tolerance of the recipient to the donor's tissue. Alternatively, APCs having reduced levels of IDO expression and expressing or loaded with at least one antigen from a cancer or infectious pathogen may be used as vaccines to promote T cell responses and increase immunity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 26 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2006:308802 USPATFULL
TITLE: Inhibitors of histone deacetylase
INVENTOR(S): Leit de Moradei, Silvana Marcela, Kirkland, CANADA
Tessier, Pierre, Hawkesbury, CANADA
Smil, David, Montreal, CANADA
Wahhab, Amal, Laval, CANADA
Deziel, Robert, Mount-Royal, CANADA
Manku, Sukhdev, L'ille Perrot, CANADA
Mancuso, John, Vaudreuil, CANADA
Therrien, Eric, Laval, CANADA
Allan, Martin, Montreal, CANADA
Chantigny, Yves Andre, Pincourt, CANADA
Ajamian, Alain, Montreal, CANADA
Beaulieu, Patrick, Laval, CANADA
PATENT ASSIGNEE(S): MethylGene Inc. (non-U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2006264415 A1 20061123
APPLICATION INFO.: US 2006-395173 A1 20060331 (11)

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 2005-667708P 20050401 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: McDONNELL BOEHNNEN HULBERT & BERGHOFF LLP, 300 S. WACKER DRIVE, 32ND FLOOR, CHICAGO, IL, 60606, US
NUMBER OF CLAIMS: 73
EXEMPLARY CLAIM: 1
LINE COUNT: 13021
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to compounds for the inhibition of histone deacetylase. More particularly, the invention provides for compounds of formula (I) ##STR1## wherein Y, L, Z, W, X, Q, R.sub.1, R.sub.2 and R.sub.3 are as defined in the specification.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 27 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2006:130734 USPATFULL
TITLE: Control of indoleamine 2,3 deoxygenase expression and activity
INVENTOR(S): Albert, Matthew, Paris, FRANCE
Braun, Deborah, Paris, FRANCE
PATENT ASSIGNEE(S): INSTITUT PASTEUR, Paris, FRANCE (non-U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2006110371 A1 20060525
APPLICATION INFO.: US 2005-251877 A1 20051018 (11)

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 2004-629896P 20041123 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314, US
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Page(s)
LINE COUNT: 1251
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to controlling and/or manipulating of dendritic cells by controlling the expression and activity of indoleamine 2,3 deoxygenase expression and activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 28 OF 38 USPATFULL on STN
ACCESSION NUMBER: 2005:214617 USPATFULL
TITLE: Regulation of T cell-mediated immunity by D isomers of inhibitors of indoleamine-2,3-dioxygenase
INVENTOR(S): Munn, David, Augusta, GA, UNITED STATES
Mellor, Andrew, Augusta, GA, UNITED STATES
PATENT ASSIGNEE(S): Medical College of Georgia Research Institute, Inc.,
Augusta, GA, UNITED STATES, 30912 (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005186289 | A1 | 20050825 |
| APPLICATION INFO.: | US 2004-780150 | A1 | 20040217 (10) |

| | NUMBER | DATE |
|--|--|---------------|
| PRIORITY INFORMATION: | US 2004-538647P | 20040122 (60) |
| | US 2003-459489P | 20030401 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | MUETING, RAASCH & GEBHARDT, P.A., P.O. BOX 581415,
MINNEAPOLIS, MN, 55458, US | |
| NUMBER OF CLAIMS: | 47 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 19 Drawing Page(s) | |
| LINE COUNT: | 2455 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |
| AB | The present invention provides improved treatment methods by the administration of the non-physiologic D-isomer of an IDO inhibitor. | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 29 OF 38 USPATFULL on STN
ACCESSION NUMBER: 2005:10969 USPATFULL
TITLE: Methods of precise molecular-level determination of ligand-receptor interactions and designing selective drug compounds based on said interactions
INVENTOR(S): Dougherty, Dennis A., South Pasadena, CA, UNITED STATES
Lester, Henry A., South Pasadena, CA, UNITED STATES
Shiva, Nima, Los Angeles, CA, UNITED STATES
PATENT ASSIGNEE(S): Neurion Pharmaceuticals, Pasadena, CA (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005009103 | A1 | 20050113 |
| APPLICATION INFO.: | US 2004-886742 | A1 | 20040708 (10) |

| | NUMBER | DATE |
|-----------------------|--|---------------|
| PRIORITY INFORMATION: | US 2003-485773P | 20030708 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | APPLICATION | |
| LEGAL REPRESENTATIVE: | TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834 | |
| NUMBER OF CLAIMS: | 26 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 10 Drawing Page(s) | |
| LINE COUNT: | 1312 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention discloses methods of determining highly precise interactions between a membrane protein receptor and various compounds. The methods of the present invention utilize a receptophore model system and nonsense codon suppression methods combined with heterologous *in vivo* expression in *Xenopus* oocytes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| | | |
|--|--|--------|
| L4 ANSWER 30 OF 38 | USPATFULL | on STN |
| ACCESSION NUMBER: | 2004:298760 USPATFULL | |
| TITLE: | Use of inhibitors of indoleamine-2,3-dioxygenase in combination with other therapeutic modalities | |
| INVENTOR(S): | Munn, David, Augusta, GA, UNITED STATES | |
| MELLOR, Andrew, Augusta, GA, UNITED STATES | | |
| PATENT ASSIGNEE(S): | Medical College of Georgia Research Institute, Inc., Augusta, GA, UNITED STATES (U.S. corporation) | |

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004234623 | A1 | 20041125 |
| APPLICATION INFO.: | US 2004-780797 | A1 | 20040217 (10) |

| | NUMBER | DATE |
|--|--------|------|
|--|--------|------|

PRIORITY INFORMATION: US 2004-538647P 20040122 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: MUETING, RAASCH & GEBHARDT, P.A., P.O. BOX 581415, MINNEAPOLIS, MN, 55458
 NUMBER OF CLAIMS: 43
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 19 Drawing Page(s)
 LINE COUNT: 2338

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides improved treatment methods by the administration of both an inhibitor of indoleamine-2,3-dioxygenase in addition to the administration of an additional therapeutic agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| | | |
|--|--|--------|
| L4 ANSWER 31 OF 38 | USPATFULL | on STN |
| ACCESSION NUMBER: | 2003:276778 USPATFULL | |
| TITLE: | Antigen-presenting cell populations and their use as reagents for enhancing or reducing immune tolerance | |
| INVENTOR(S): | MELLOR, Andrew L., Martinez, GA, UNITED STATES | |
| MUNN, David H., Augusta, GA, UNITED STATES | | |

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2003194803 | A1 | 20031016 |
| APPLICATION INFO.: | US 2002-121909 | A1 | 20020412 (10) |
| DOCUMENT TYPE: | Utility | | |

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Cynthia B. Rothschild, Esq., Kilpatrick Stockton LLP,
1001 West Fourth Street, Winston-Salem, NC, 27101
NUMBER OF CLAIMS: 114
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 2852

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is based on the discovery antigen-presenting cells (APCs) may be generated to have predetermined levels of expression of the intracellular enzyme, indoleamine 2,3-dioxygenase (IDO). Because expression of high levels of IDO is correlated with a reduced ability to stimulate T cell responses and an enhanced ability to induce immunologic tolerance, APCs having high levels of IDO may be used to increase tolerance in the immune system, as for example in transplant therapy or treatment of autoimmune disorders. For example, APCs having high levels of IDO, and expressing or loaded with at least one antigen from a donor tissue may be used to increase tolerance of the recipient to the donor's tissue. Alternatively, APCs having reduced levels of IDO expression and expressing or loaded with at least one antigen from a cancer or infectious pathogen may be used as vaccines to promote T cell responses and increase immunity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 32 OF 38 USPATFULL on STN
ACCESSION NUMBER: 2000:125101 USPATFULL
TITLE: Naphthyl compounds promote release of growth hormone
INVENTOR(S): Chen, Meng Hsin, Westfield, NJ, United States
Morriello, Gregori J., Belleville, NJ, United States
Nargund, Ravi, East Brunswick, NJ, United States
Patchett, Arthur A., Westfield, NJ, United States
Yang, Lihu, Edison, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.
corporation)

| | NUMBER | KIND | DATE |
|-----------------------|----------------|------|--|
| PATENT INFORMATION: | US 6121325 | | 20000919 |
| APPLICATION INFO.: | US 1997-826290 | | 19970327 (8) |
| RELATED APPLN. INFO.: | | | Division of Ser. No. US 1995-398247, filed on 3 Mar
1995, now patented, Pat. No. US 5663171, issued on 2
Sep 1997 which is a continuation-in-part of Ser. No. WO
1994-US13596, filed on 23 Nov 1994 which is a
continuation-in-part of Ser. No. US 1993-157774, filed
on 24 Nov 1993, now abandoned |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ambrose, Michael G.
LEGAL REPRESENTATIVE: Thies, J. Eric, Rose, David L.
NUMBER OF CLAIMS: 11
EXEMPLARY CLAIM: 1
LINE COUNT: 2345

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to certain compounds of the general structural formula: ##STR1## wherein R.sub.1, R.sub.1a, R.sub.2a, R.sub.3, R.sub.3a, R.sub.4, R.sub.5, R.sub.6, A, W, and n are as defined herein. These compounds promote the release of growth hormone in humans and animals. This property can be utilized to promote the growth of food animals to render the production of edible meat products more efficient, and in humans, to treat physiological or medical conditions characterized by a deficiency in growth hormone secretion, such as short stature in growth hormone deficient children, and to treat medical conditions which are improved by the anabolic effects of growth hormone. Growth hormone releasing compositions containing such compounds as the

active ingredient thereof are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 33 OF 38 USPATFULL on STN
ACCESSION NUMBER: 1999:142162 USPATFULL
TITLE: Tachykinin antagonists
INVENTOR(S): Horwell, David Christopher, Foxton, United Kingdom
Howson, William, Weston Colville, United Kingdom
Pritchard, Martyn Clive, St. Ives, United Kingdom
Roberts, Edward, Newmarket, United Kingdom
Rees, David Charles, Glasgow, United Kingdom
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5981755 | | 19991109 |
| APPLICATION INFO.: | US 1998-168512 | | 19981008 (9) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1993-953037, filed on 17 Oct 1993, now patented, Pat. No. US 5856354 which is a division of Ser. No. US 1996-727067, filed on 8 Oct 1996, now patented, Pat. No. US 5716979 which is a division of Ser. No. US 1994-344064, filed on 29 Nov 1994, now patented, Pat. No. US 5594022 And a continuation-in-part of Ser. No. US 1993-97264, filed on 23 Jul 1993, now abandoned And a continuation-in-part of Ser. No. US 1992-930252, filed on 13 Aug 1992, now abandoned | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Richter, Johann
ASSISTANT EXAMINER: Oswecki, Jane C.
LEGAL REPRESENTATIVE: Anderson, Elizabeth M.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 2
LINE COUNT: 3101

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns tachykinin antagonists. The compounds are nonpeptides which have utility in treating disorders mediated by tachykinins. Such disorders are respiratory, inflammatory, gastrointestinal, ophthalmic, allergies, pain, vascular, diseases of the central nervous system, and migraine. Methods of preparing compounds and novel intermediates are also included. The compounds are expected to be especially useful in asthma and rheumatoid arthritis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 34 OF 38 USPATFULL on STN
ACCESSION NUMBER: 1999:92802 USPATFULL
TITLE: Di-peptides which promote release of growth hormone
INVENTOR(S): Carpino, Philip A., Groton, CT, United States
Dasilva-Jardine, Paul A., Providence, RI, United States
Lefker, Bruce A., Gales Ferry, CT, United States
Ragan, John A., Gales Ferry, CT, United States
PATENT ASSIGNEE(S): Pfizer Inc, New York, NY, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|-----------------------|
| PATENT INFORMATION: | US 5936089 | | 19990810 |
| APPLICATION INFO.: | WO 9638471 | | 19961205 |
| | US 1997-973268 | | 19971126 (8) |
| | WO 1995-IB410 | | 19950529 |
| | | | 19971126 PCT 371 date |

19971126 PCT 102(e) date

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ramsuer, Robert W.
LEGAL REPRESENTATIVE: Richardson, Peter C., Ginsburg, Paul H., Speer, Raymond M.
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 5362

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of formula (I) are growth hormone releasing peptide mimetics which are useful for the treatment and prevention of osteoporosis.
##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 35 OF 38 USPATFULL on STN
ACCESSION NUMBER: 1999:1685 USPATFULL
TITLE: Tachykinin antagonists
INVENTOR(S): Horwell, David Christopher, Foxton, England
Howson, William, Weston Colville, England
Pritchard, Martyn Clive, St. Ives, England
Roberts, Edward, Wood Ditton, England
Rees, David Charles, Glasgow, Scotland
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5856354 | | 19990105 |
| APPLICATION INFO.: | US 1997-953037 | | 19971017 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1996-727067, filed on 8 Oct 1996, now patented, Pat. No. US 5716979 which is a division of Ser. No. US 1994-344064, filed on 29 Nov 1994, now patented, Pat. No. US 5594022 And a continuation-in-part of Ser. No. US 1993-97264, filed on 23 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-930252, filed on 13 Aug 1992, now abandoned | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Richter, Johann
ASSISTANT EXAMINER: Oswecki, Jane C.
LEGAL REPRESENTATIVE: Anderson, Elizabeth M.
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
LINE COUNT: 3351

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns tachykinin antagonists. The compounds are neopeptides which have utility in treating disorders mediated by tachykinins. Such disorders are respiratory, inflammatory, gastrointestinal, ophthalmic, allergies, pain, vascular, diseases of the central nervous system, and migraine. Methods of preparing compounds and novel intermediates are also included. The compounds are expected to be especially useful in asthma and rheumatoid arthritis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 36 OF 38 USPATFULL on STN
ACCESSION NUMBER: 1998:14826 USPATFULL
TITLE: Tachykinin antagonists
INVENTOR(S): Horwell, David Christopher, Foxton, England
Howson, William, Weston Colville, England
Pritchard, Martyn Clive, St. Ives, England
Roberts, Edward, Wood Ditton, England

PATENT ASSIGNEE(S): Rees, David Charles, Glasgow, Scotland
Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5716979 | | 19980210 |
| APPLICATION INFO.: | US 1996-727067 | | 19961008 (8) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1994-344064, filed on 29 Nov 1994, now patented, Pat. No. US 5594022 And a continuation-in-part of Ser. No. US 1993-97264, filed on 23 Jul 1993, now abandoned And a continuation-in-part of Ser. No. US 1992-930252, filed on 13 Aug 1992, now abandoned | | |

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Richter, Johann

ASSISTANT EXAMINER: Oswecki, Jane C.

LEGAL REPRESENTATIVE: Anderson, Elizabeth M.

NUMBER OF CLAIMS: 33

EXEMPLARY CLAIM: 1

LINE COUNT: 3367

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns tachykinin antagonists. The compounds are nonpeptides which have utility in treating disorders mediated by tachykinins. Such disorders are respiratory, inflammatory, gastrointestinal, ophthalmic, allergies, pain, vascular, diseases of the central nervous system, and migraine. Methods of preparing compounds and novel intermediates are also included.

The compounds are expected to be especially useful in asthma and rheumatoid arthritis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 37 OF 38 USPATFULL on STN

ACCESSION NUMBER: 97:78440 USPATFULL
TITLE: Acyclic compounds promote release of growth hormone
INVENTOR(S): Chen, Meng Hsin, Westfield, NJ, United States
Morriello, Gregori J., Belleville, NJ, United States
Nargund, Ravi, East Brunswick, NJ, United States
Patchett, Arthur A., Westfield, NJ, United States
Yang, Lihu, Edison, NJ, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5663171 | | 19970902 |
| APPLICATION INFO.: | US 1995-398247 | | 19950303 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1993-157774, filed on 24 Nov 1993, now abandoned | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Springer, David B.
LEGAL REPRESENTATIVE: Thies, J. Eric, Rose, David L.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
LINE COUNT: 2352

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to certain compounds of the general structural formula: ##STR1## wherein R.sub.1, R.sub.1a, R.sub.2a, R.sub.3, R.sub.3a, R.sub.4, R.sub.5, R.sub.6, A, W, and n are as defined herein. These compounds promote the release of growth hormone in humans and animals. This property can be utilized to promote the growth of food

animals to render the production of edible meat products more efficient, and in humans, to treat physiological or medical conditions characterized by a deficiency in growth hormone secretion, such as short stature in growth hormone deficient children, and to treat medical conditions which are improved by the anabolic effects of growth hormone. Growth hormone releasing compositions containing such compounds as the active ingredient thereof are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 38 OF 38 USPATFULL on STN
ACCESSION NUMBER: 97:3869 USPATFULL
TITLE: Tachykinin antagonists
INVENTOR(S): Horwell, David C., Foxton, England
Howson, William, Weston Colville, England
Pritchard, Martyn C., St. Ives, England
Roberts, Edward, Wood Ditton, England
Rees, David C., Glasgow, Scotland
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5594022 | | 19970114 |
| APPLICATION INFO.: | US 1994-344064 | | 19941129 (8) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1993-97264, filed on 23 Jul 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-930252, filed on 13 Aug 1992, now abandoned | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Springer, David B.
LEGAL REPRESENTATIVE: Anderson, Elizabeth M.
NUMBER OF CLAIMS: 51
EXEMPLARY CLAIM: 1
LINE COUNT: 3534

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns tachykinin antagonists. The compounds are nonpeptides which have utility in treating disorders mediated by tachykinins. Such disorders are respiratory, inflammatory, gastrointestinal, ophthalmic, allergies, pain, vascular, diseases of the central nervous system, and migraine. Methods of preparing compounds and novel intermediates are also included.

The compounds are expected to be especially useful in asthma and rheumatoid arthritis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 10:50:11 ON 06 DEC 2007)

FILE 'REGISTRY' ENTERED AT 10:50:37 ON 06 DEC 2007
L1 STRUCTURE uploaded
L2 8 S L1 FULL

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 10:51:25 ON 06 DEC 2007
L3 204 S L2
L4 38 S L3 AND (CANCER? OR TUMOR? OR NEOPLAS?)
L5 10 S L4 AND CYCLOPHOSPHAMIDE

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE
ENTRY | TOTAL
SESSION |
|--|---------------------|------------------|
| FULL ESTIMATED COST | 169.34 | 341.65 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE
ENTRY | TOTAL
SESSION |
| CA SUBSCRIBER PRICE | -19.50 | -19.50 |

STN INTERNATIONAL LOGOFF AT 10:57:14 ON 06 DEC 2007